

FIG. 1A

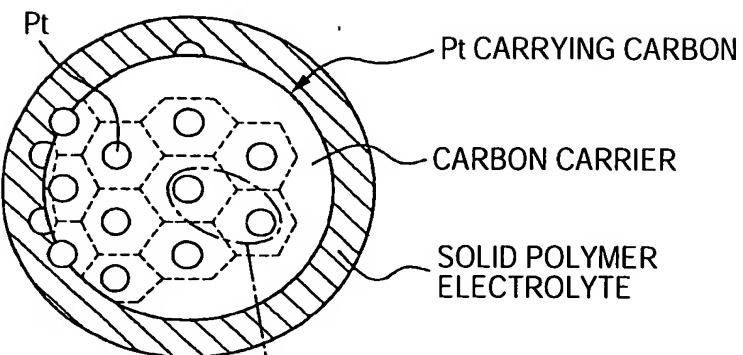


FIG. 1B

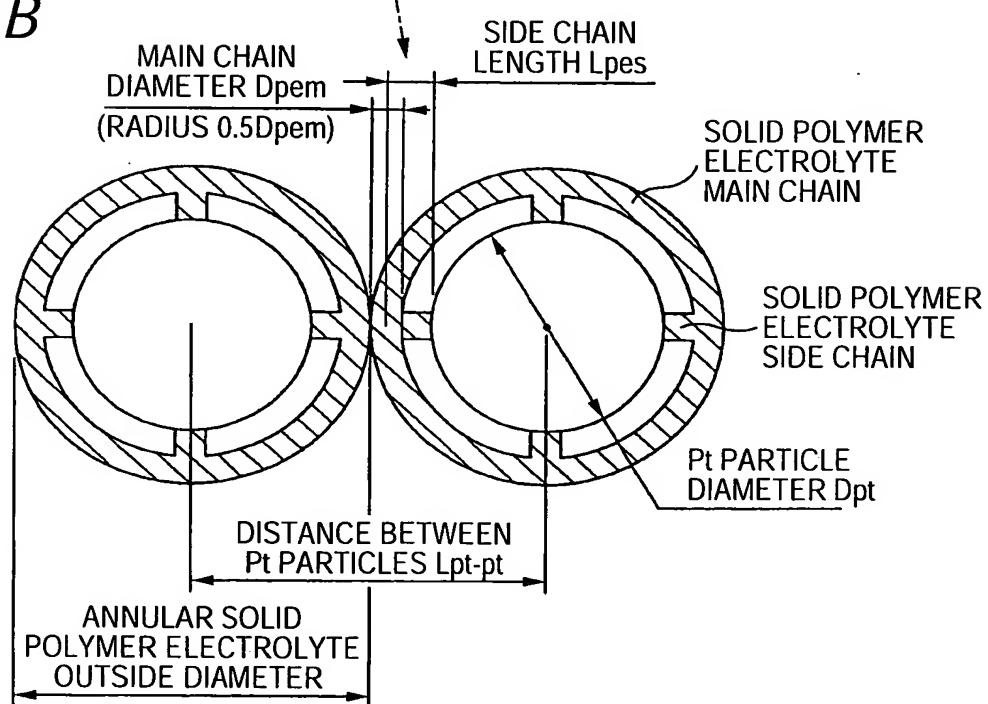
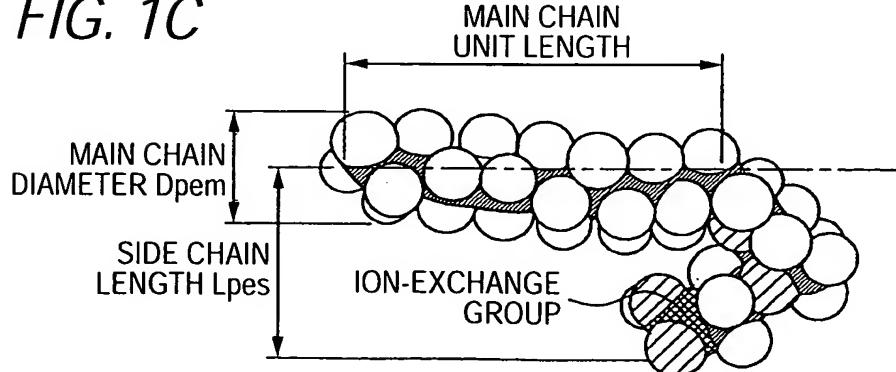
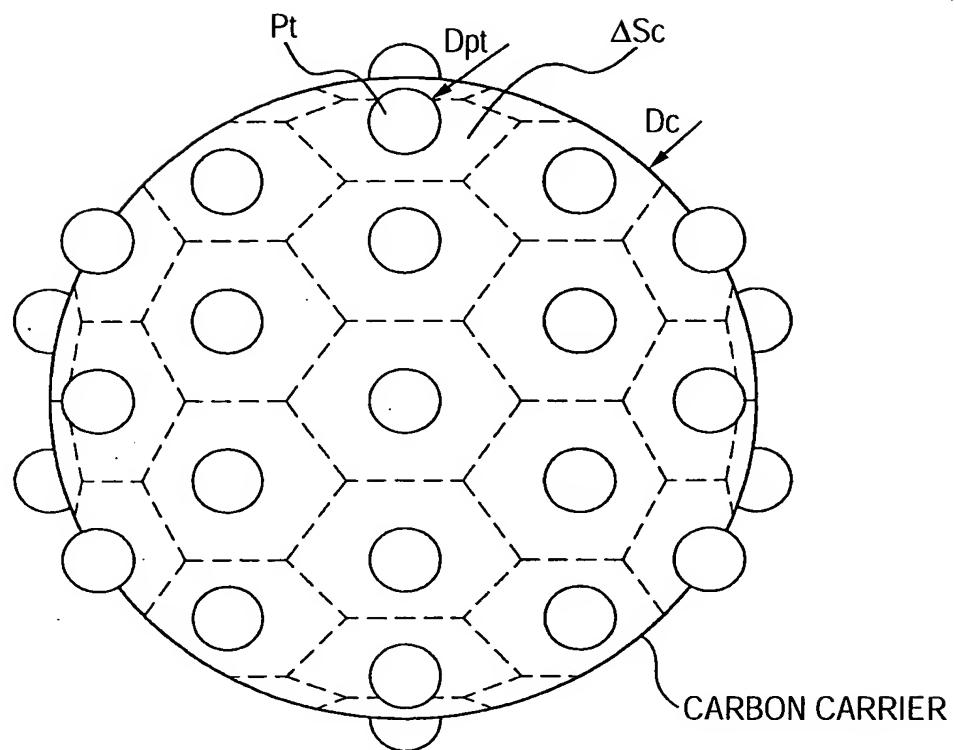


FIG. 1C



*FIG. 2*



Pt CARRYING CARBON

3/16

FIG. 3A

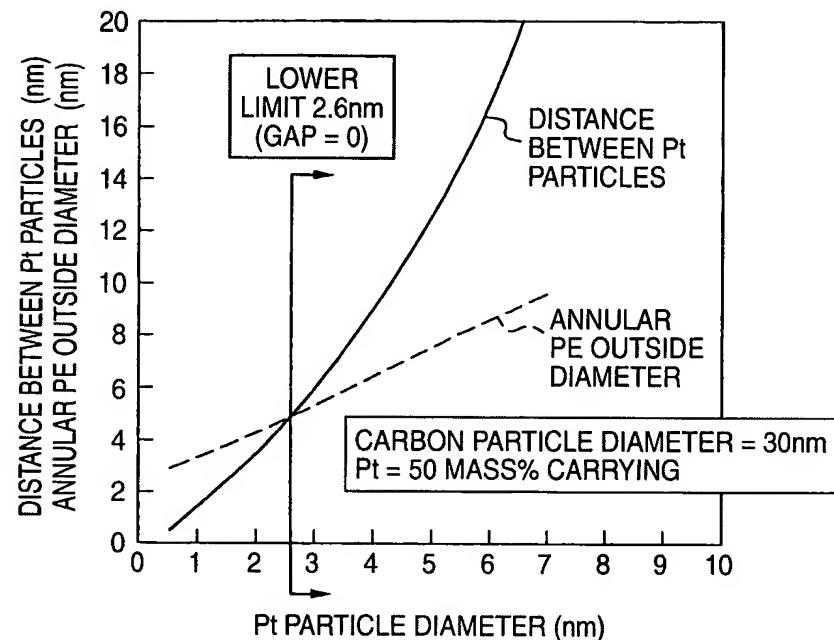
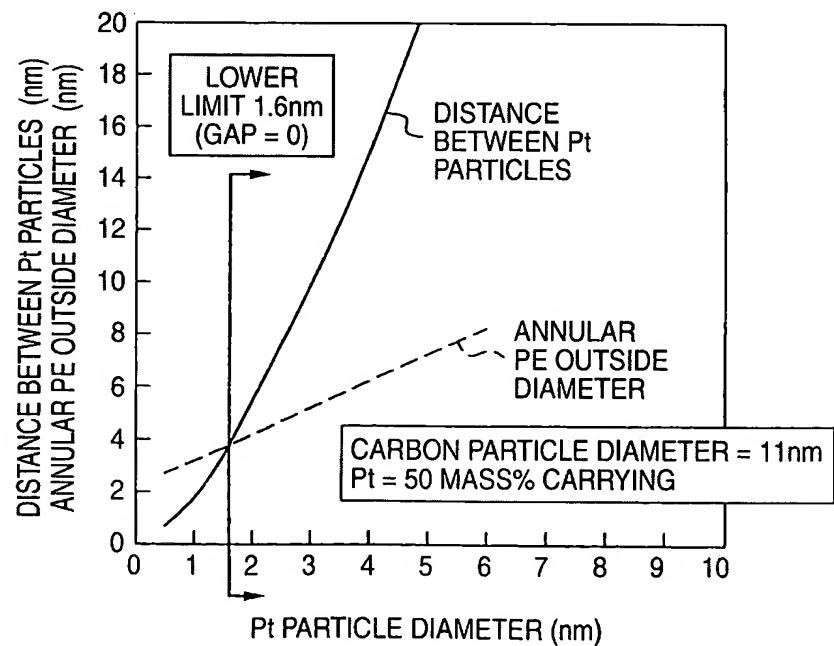
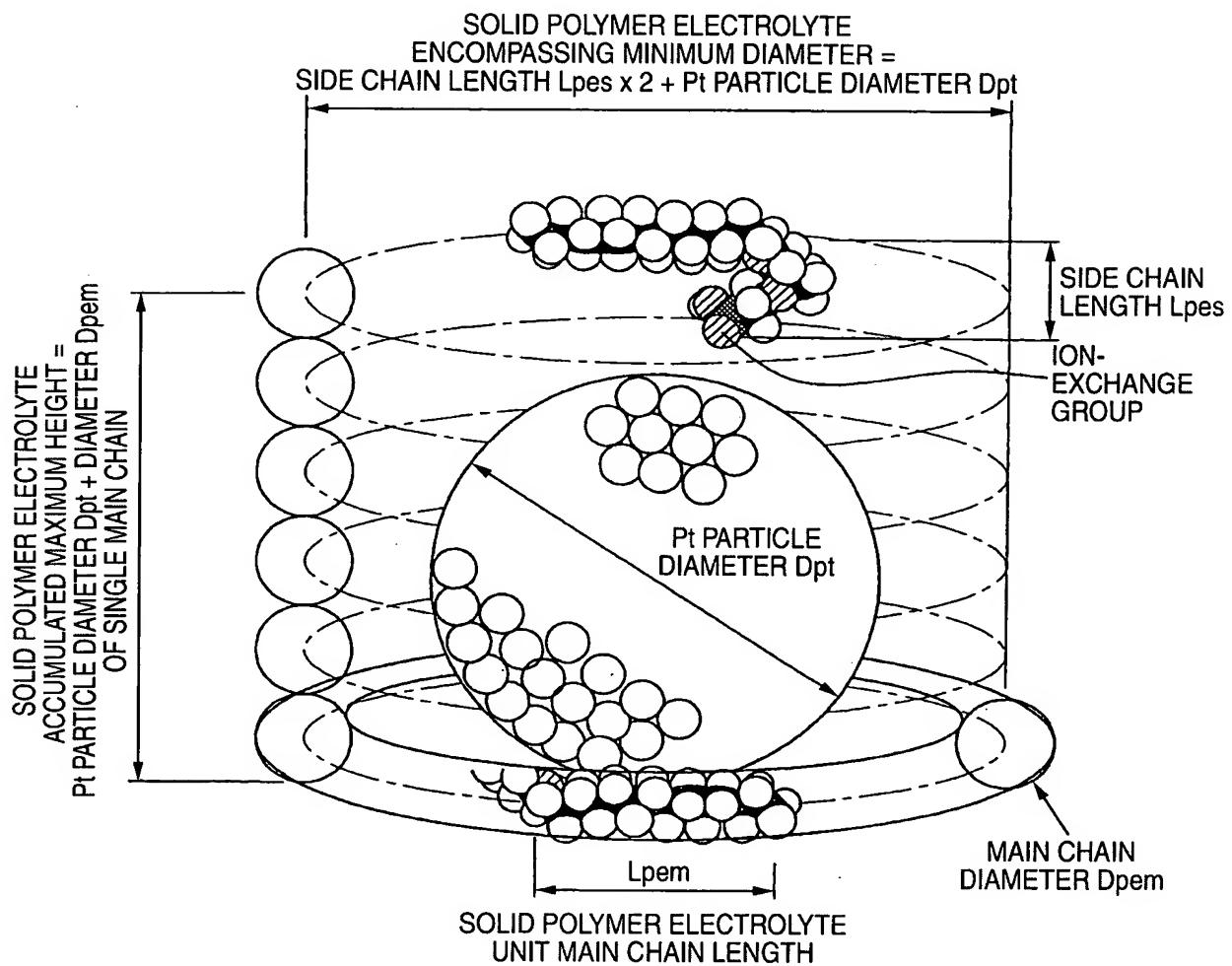


FIG. 3B



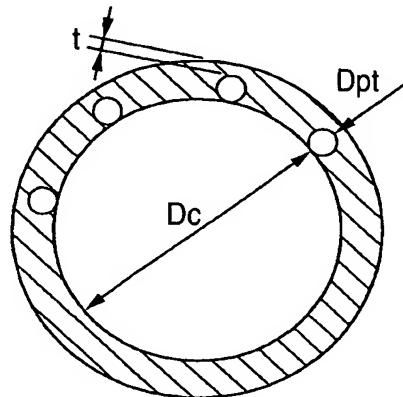
4/16

FIG. 4

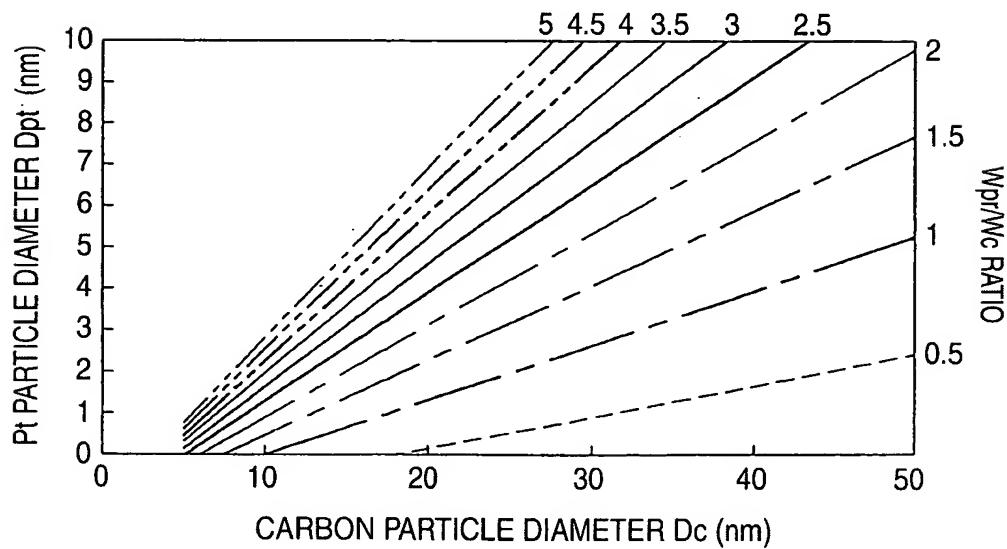


5/16

**FIG. 5A**  
ELECTROLYTE FILMED Pt CARRYING CARBON

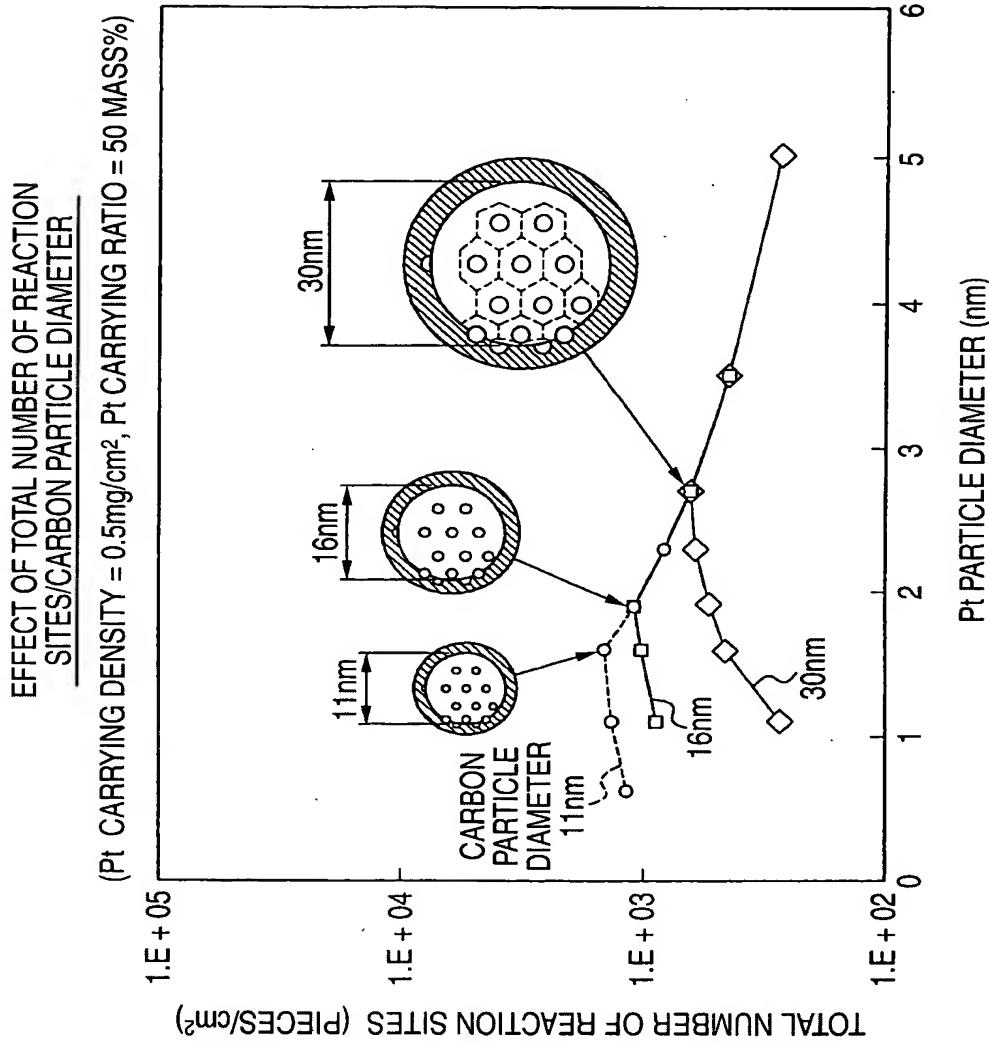


**FIG. 5B**  
Pt PARTICLE DIAMETER COVERED 1.3nm WITH PE



6/16

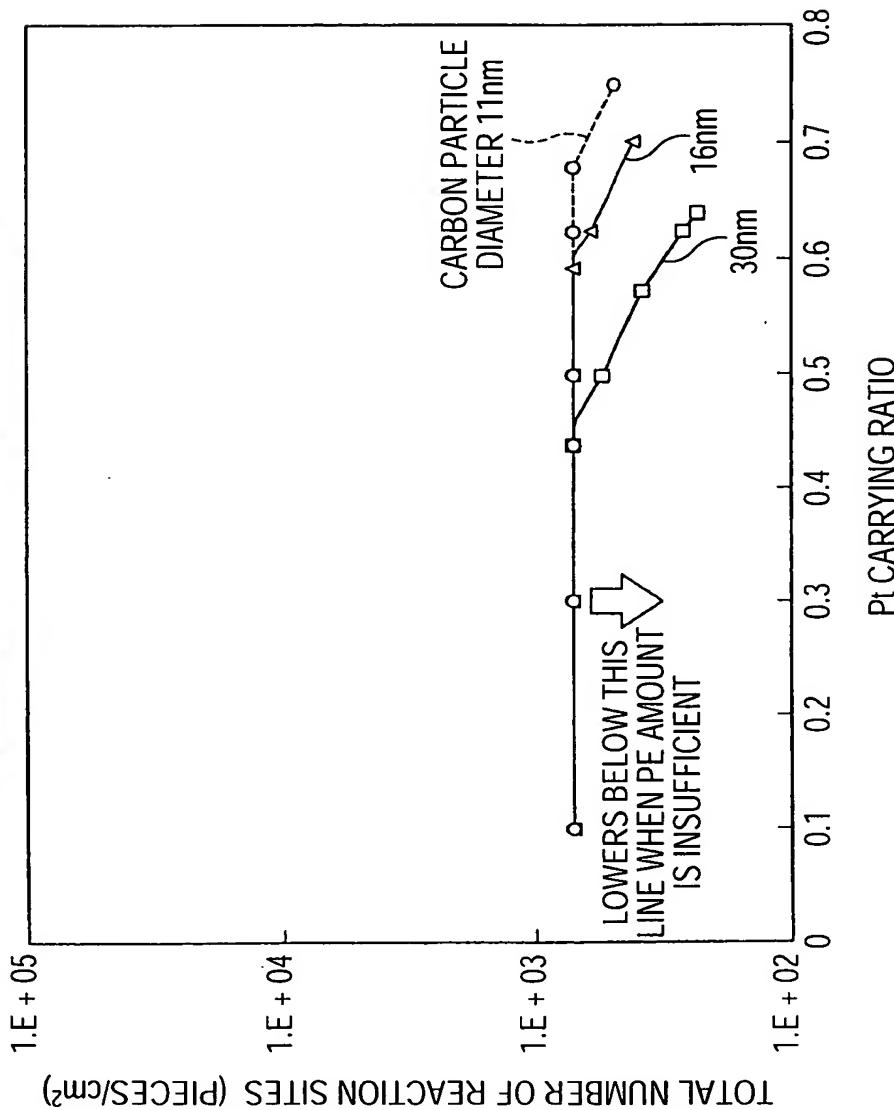
FIG. 6



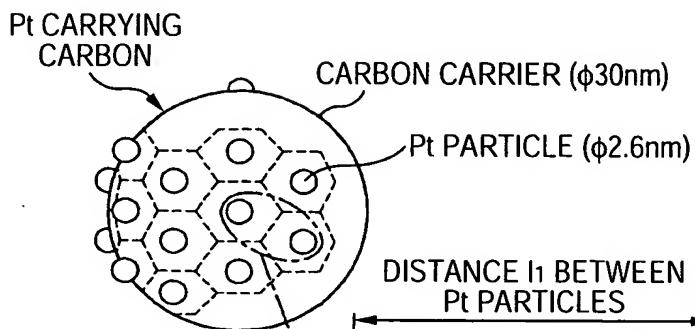
7/16

FIG. 7

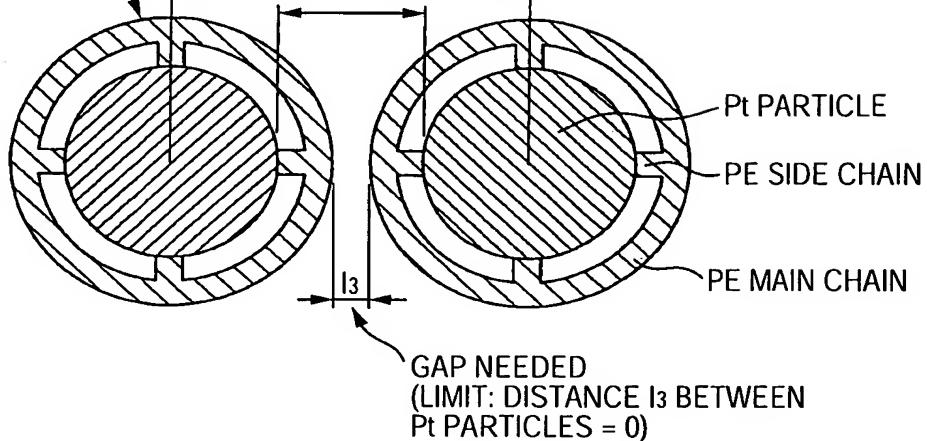
EFFECT OF TOTAL NUMBER OF  
REACTION SITES/Pt CARRYING RATIO



*FIG. 8A*

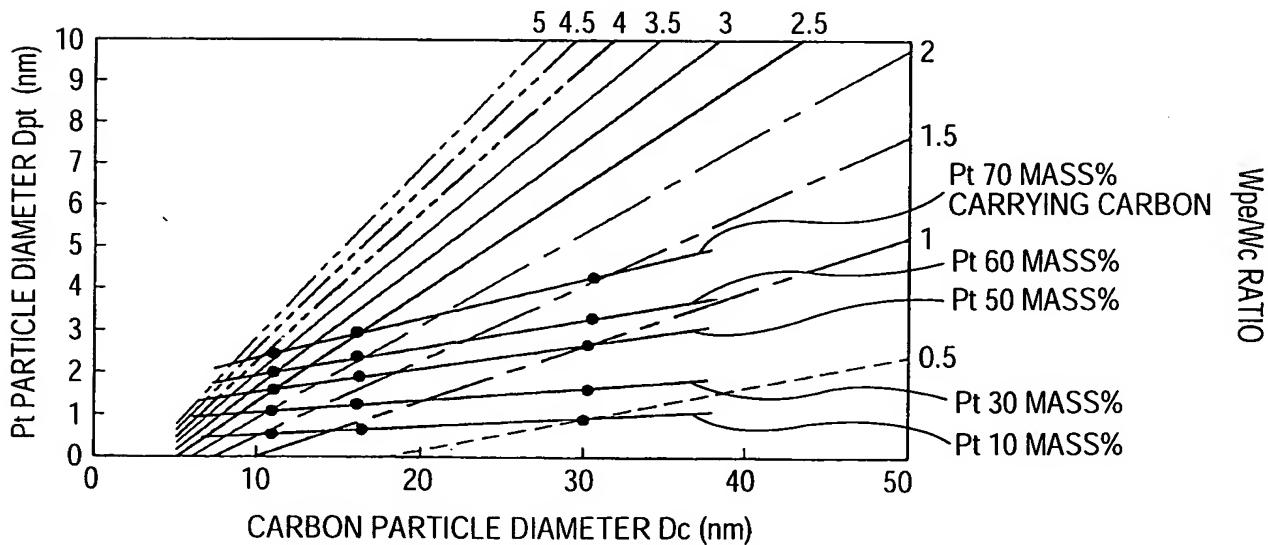


*FIG. 8B*



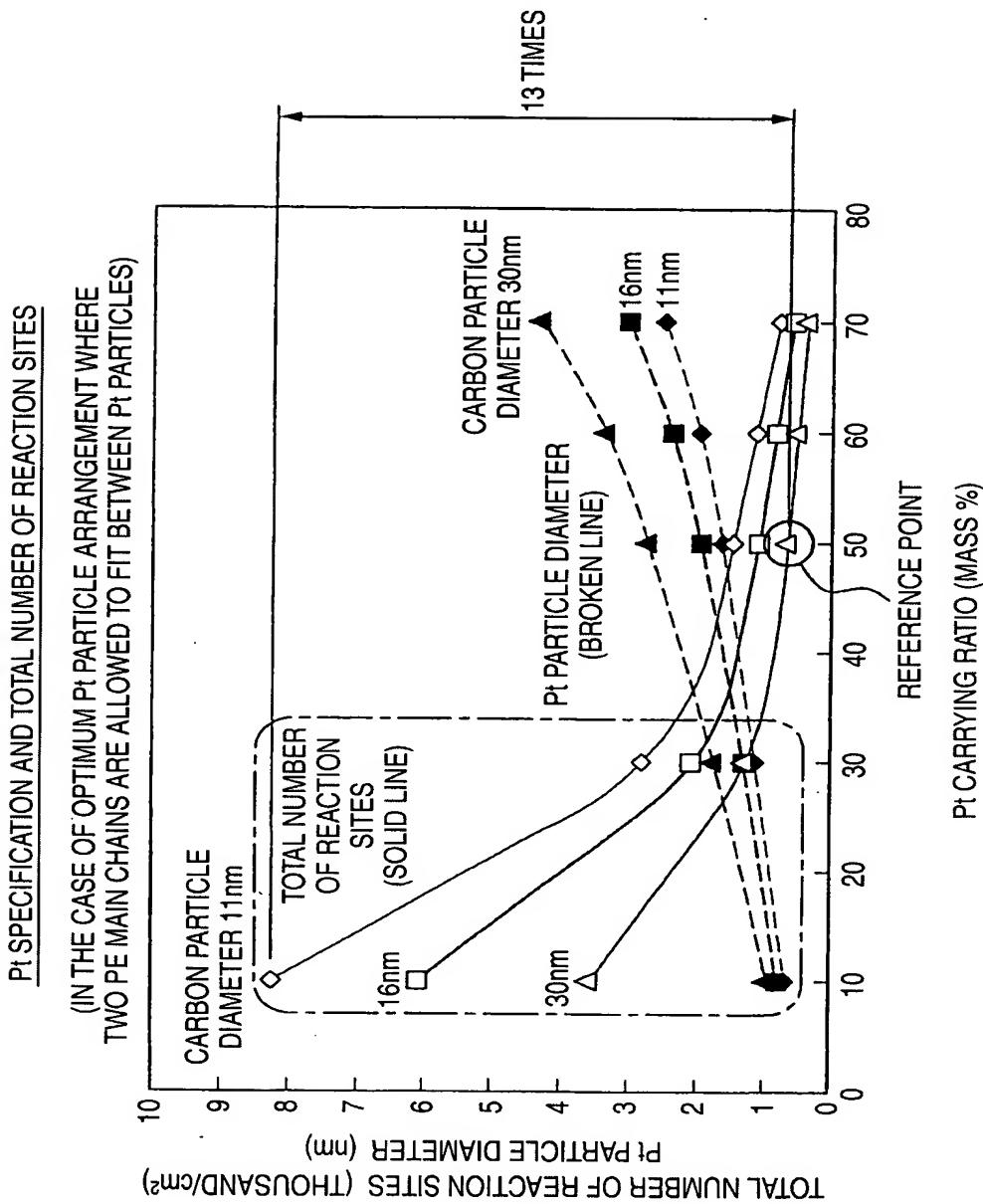
*FIG. 8C*

Pt PARTICLE COVERED 1.3nm WITH PE



9/16

FIG. 9



10/16

FIG. 10

EFFECT OF TOTAL NUMBER OF  
REACTION SITES/Pt CARRYING RATIO

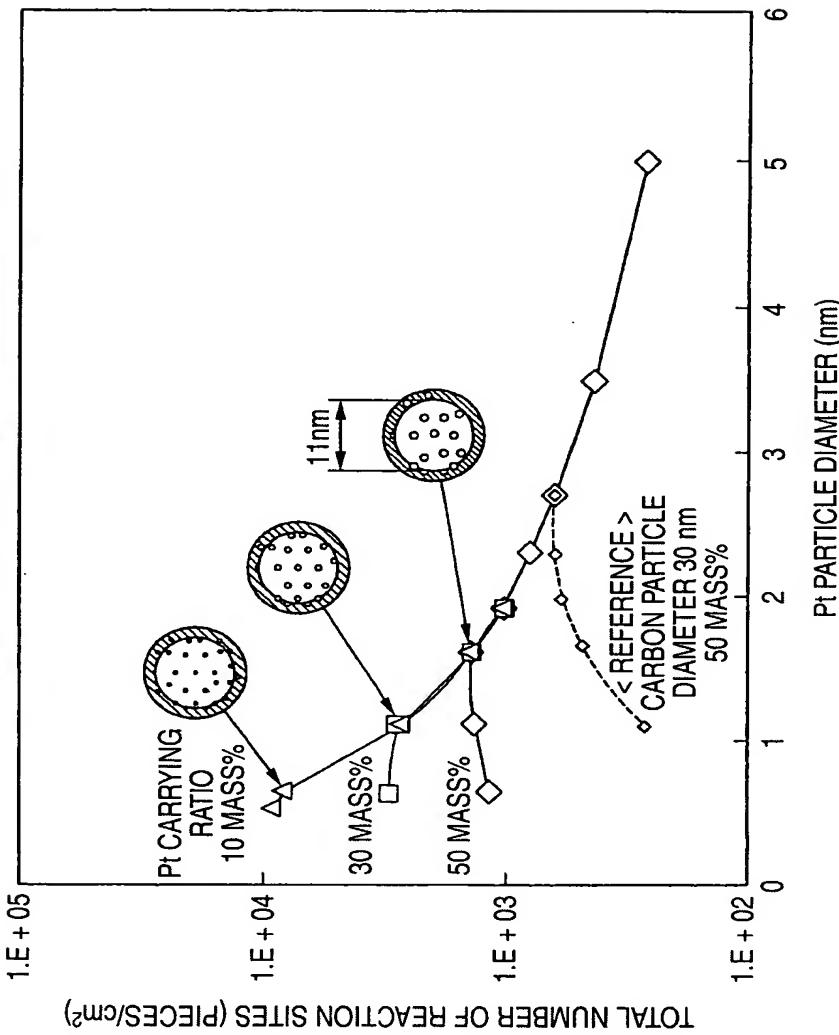


FIG. 11

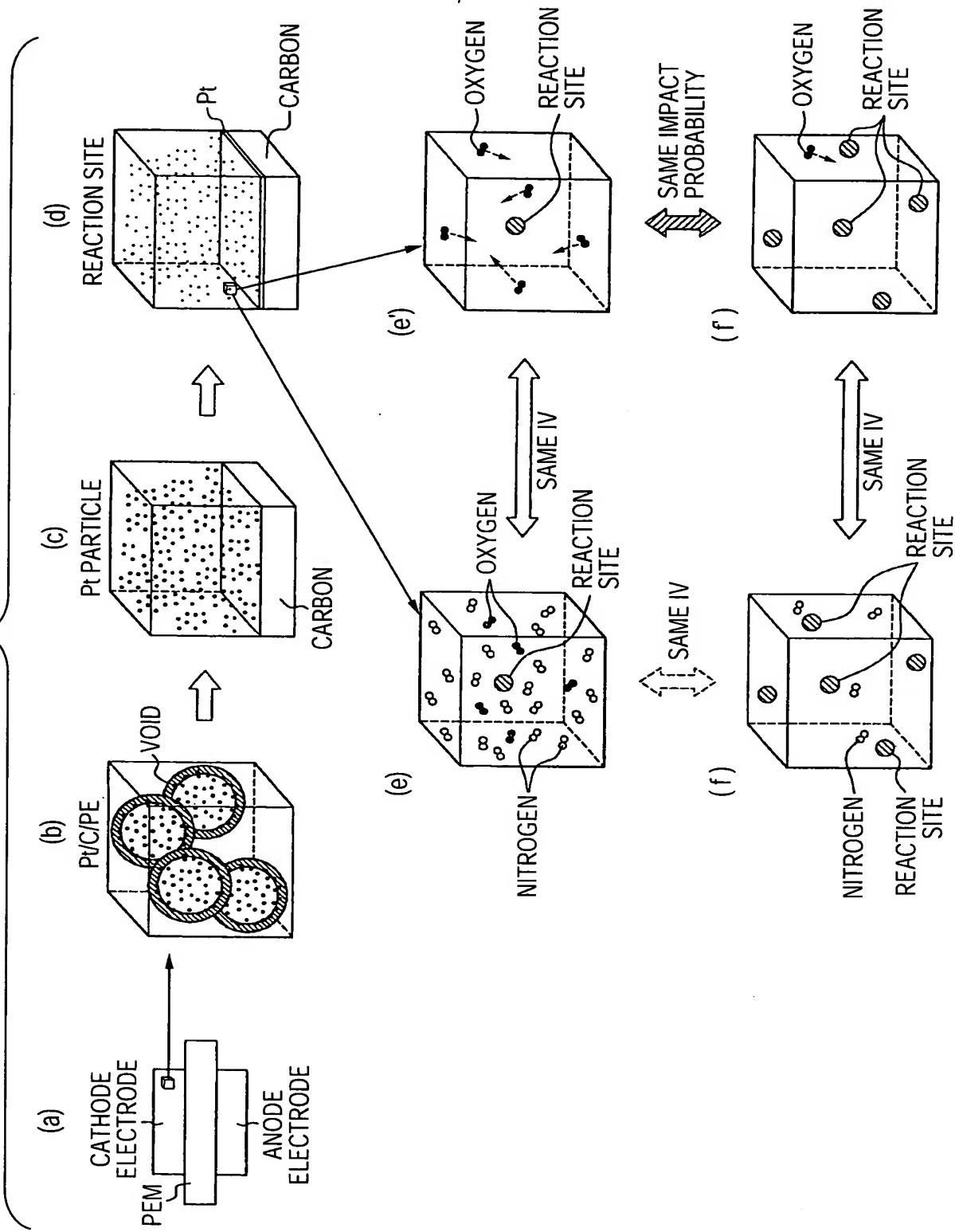


FIG. 12

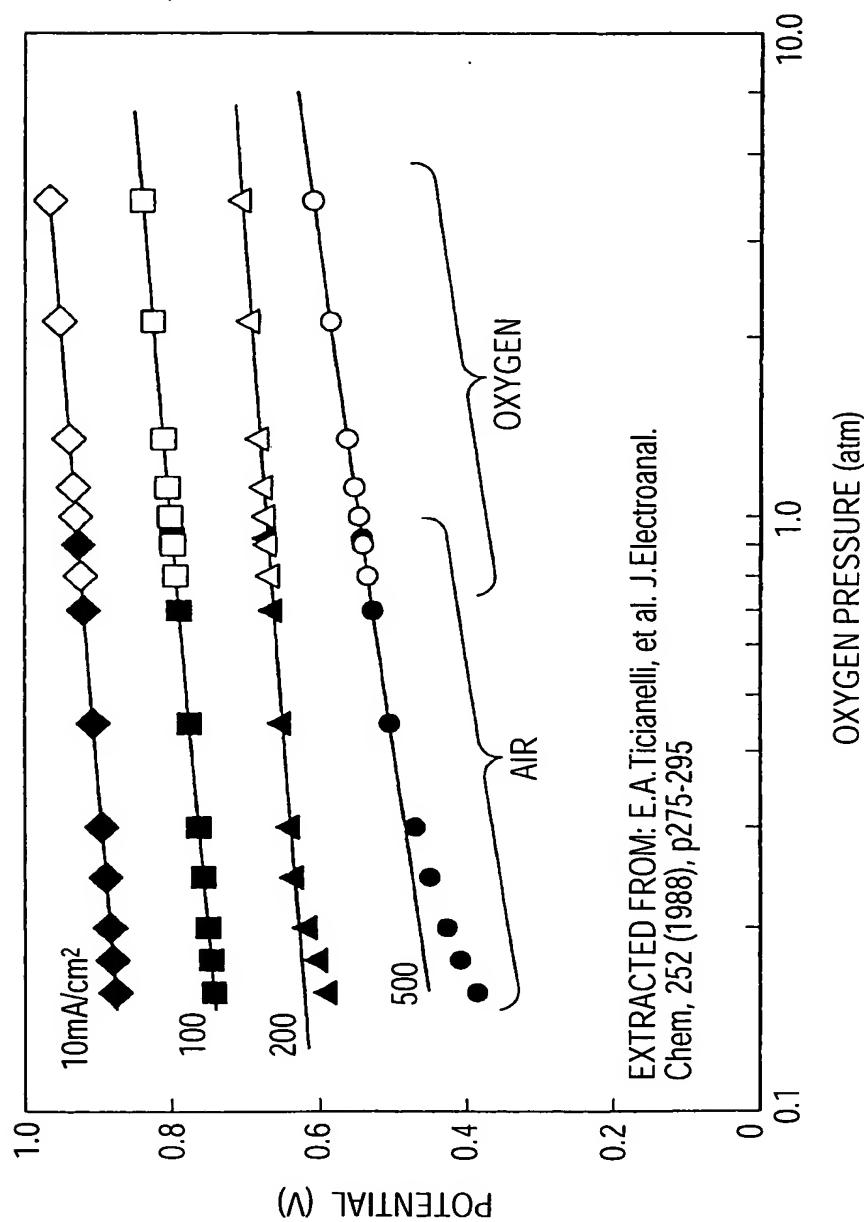


FIG. 13

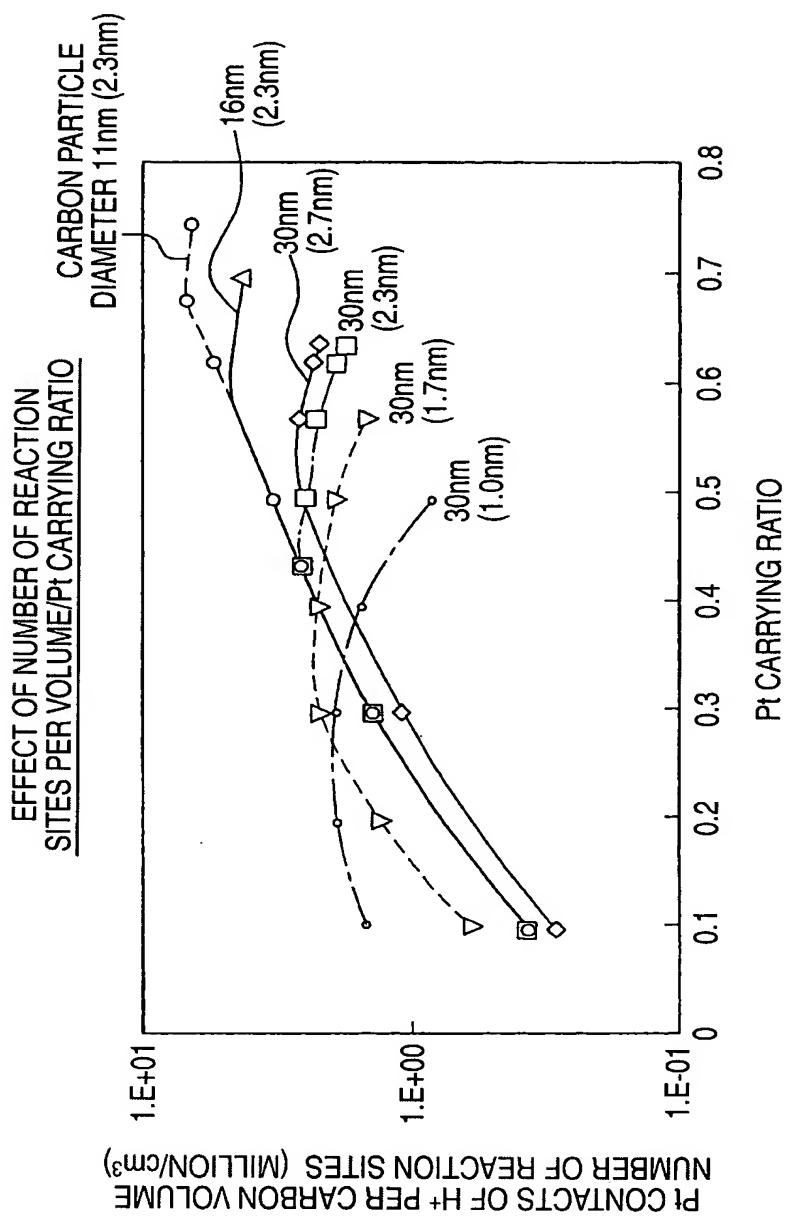
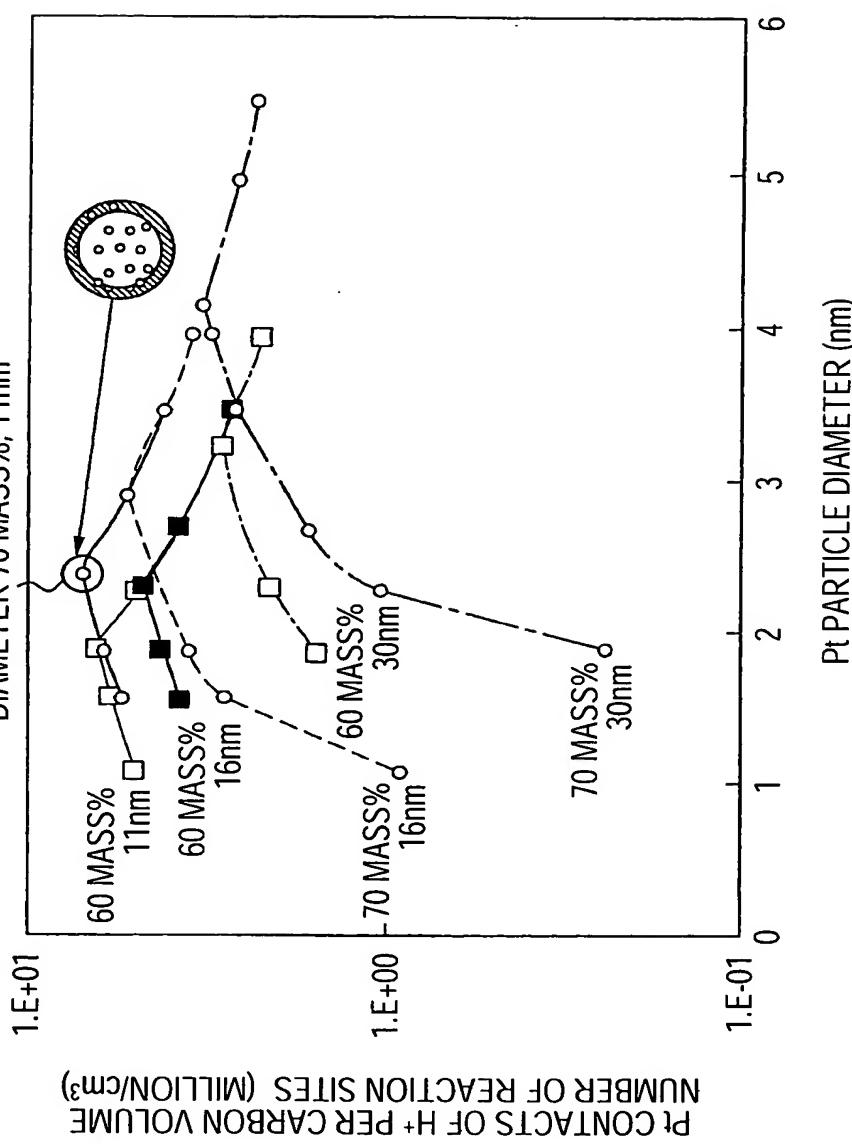


FIG. 14

EFFECT OF NUMBER OF REACTION  
SITES PER VOLUME/HIGH Pt CARRYING RATIO

Pt CARRYING RATIO, CARBON PARTICLE  
DIAMETER 70 MASS%, 11nm



F/G. 15

CATALYST SPECIFICATION WHERE  
PERFORMANCE INCREASE CAN  
BE EXPECTED WITH RESPECT  
TO REACTION FACE

DIRECTION IN WHICH IV PERFORMANCE  
IS APPROACHED WHICH CORRESPONDS  
TO OPERATION EFFECTED BY PURE OXYGEN  
WHEN 5-FOLD REACTION SITE NUMBER RESULTS

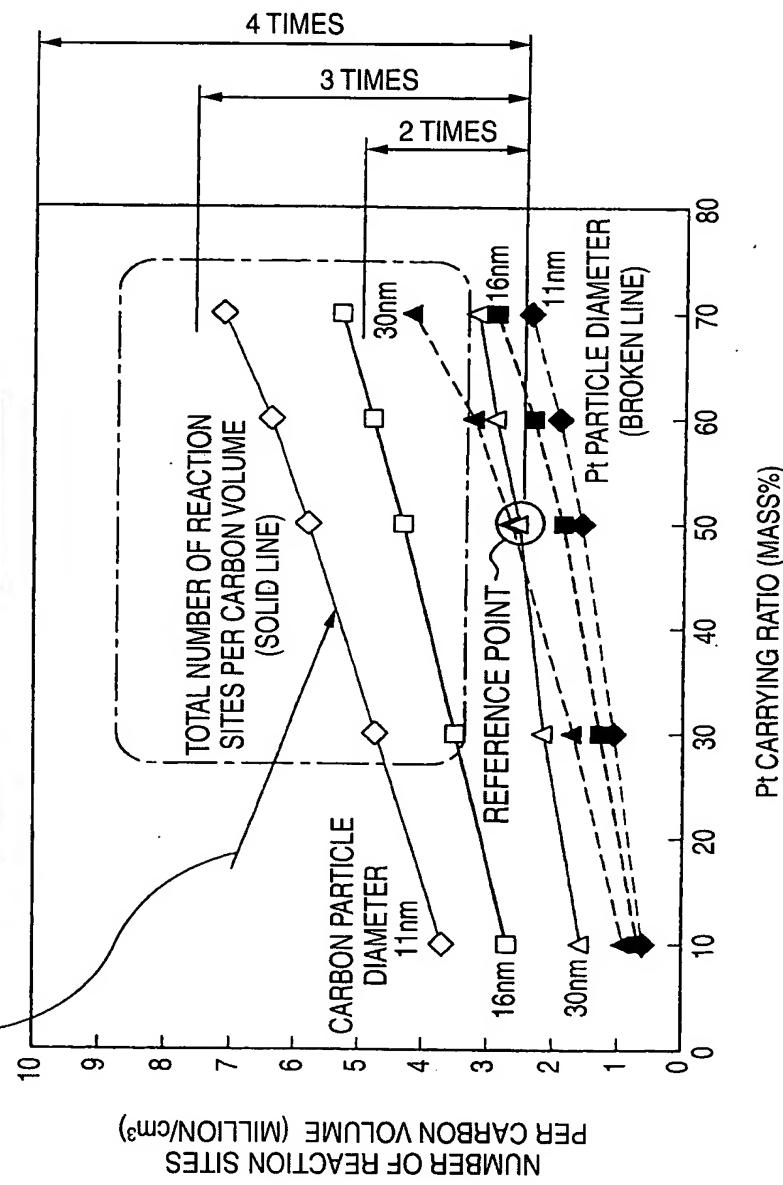


FIG. 16

EFFECT OF NUMBER OF REACTION  
SITES PER VOLUME/Pt CARRYING RATIO

